

## **ABSTRACT**

A method of making molds for the production of golf balls is disclosed. A hob is made having an imperfectly spherical arcuate surface that is composed of at least two different arcs in continuous arrangement to each other. A mold half is formed using the hob so that the imperfectly spherical hob creates an imperfectly spherical golf ball cavity within the mold half. When used to make golf balls, the imperfectly spherical cavity results in golf balls having a higher degree of sphericity than golf balls made by spherical hobs and mold half cavities.